In the claims:

1. **(Currently Amended)** A method of resisting corrosion of metals in a concrete structure comprising,

creating an overlay containing at least one compound capable of sequestering chloride ions, said compound selected from the group consisting of $3Me(II)O{\cdot}R_2O_3{\cdot}Me(II)(anion)_2{\cdot}nH_2O$ where n = 0 to 24 and $3Me(II)O{\cdot}R_2O_3{\cdot}Me(II)(anion){\cdot}nH_2O$ where n = 0 to 18,

wherein Me(II) is one or more cations selected from the group consisting of Ca, Ba, Sr, Mn and Zn, R_2 is Al_2, Fe_2 or Cr_2, anion is NO_2, NO_3, CO_3, BO_4, or OH, but when R_2 is Al_2 then Me(II) is not Ca;

securing said overlay adjacent to said concrete structure, and

sequestering chloride ions in said overlay.

2. **(Original)** The method of Claim 1 including

securing said overlay to said concrete structure to permit chloride ion exchange therebetween.

3. **(Original)** The method of Claim 2 including

creating said overlay on said concrete structure.

4. **(Original)** The method of Claim 2 including

preforming said overlay, and

securing said preformed overlay to said concrete structure.

5. **(Original)** The method of Claim 4 including

securing said preformed overlay to said concrete structure by adhesive.

6. **(Original)** The method of Claim 1 including

effecting said securing to establish surface-to-surface contact between said overlay and said concrete structure.

7. **(Original)** The method of Claim 1 including

applying said overlay to said concrete structure as a slurry.

8. **(Original)** The method of Claim 7 including

applying a second layer of said overlay over said slurry.

9. **(Original)** The method of Claim 8 including

providing said second layer with lower porosity than said slurry layer.

10. **(Original)** The method of Claim 1 including

employing a material selected from the group consisting of concrete, asphalt, Portland cement, clay, calcium aluminate cement, and mortar in said overlay.

11. **(Original)** The method of Claim 1 including

introducing high ionic strength liquid into said overlay.

12. **(Original)** The method of Claim 1 including

employing said method on a concrete structure disposed at least partially under water.

13. **(Original)** The method of Claim 1 including

performing said process without requiring ongoing input of electrical energy.

14. **(Original)** The method of Claim 1 including

establishing said overlay with a thickness of about 0.5 to 10 inches.

15. **(Currently Amended)** The method of Claim 1 ~~including~~ wherein

~~employing as~~ said compound ~~a compound capable of establishing~~ establishes a corrosion resistant oxide layer on embedded metal elements.

16. **(Currently Amended)** The method of Claim 1 ~~including~~ wherein

~~effecting~~ said chloride sequestration ~~in a low-solubility compound~~ results in a chloride-containing compound having low solubility in said concrete.

17. **(Original)** The method of Claim 1 including

employing a nitrite-containing compound as said compound.

18. **(Original)** The method of Claim 1 including

employing said method on metal elements made of steel.

19. **(Original)** The method of Claim 2 including

employing as said compound, a compound capable of liberating nitrite ions.

20. **(Currently Amended)** The method of Claim 1 including employing as said compound a compound selected from the group consisting of

~~$3CaO \cdot Al_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$; $3CaO \cdot Al_2O_3 \cdot Ca(NO_3)_2 \cdot nH_2O$;~~ $3CaO \cdot Fe_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$; and $3CaO \cdot Fe_2O_3 \cdot Ca(NO_3)_2 \cdot nH_2O$

wherein n = 0 to 24.

21. **(Cancelled)**

22. **(Original)** The method of Claim 14 including establishing said overlay with a thickness of about 1 to 4 inches.

23. **(Cancelled)**

24. **(Currently Amended)** The method of Claim 1 including said metals ~~elements~~ being embedded reinforcing elements.

25. **(Currently Amended)** The method of Claim 1 including ~~effecting~~ introducing said compound ~~introduction~~ into ingredients of said concrete prior to creating said overlay.

26. **(Original)** The method of Claim 1 including effecting said overlay creation by mixing said compound in dry form with cement in dry form and subsequently adding water to said compound and cement mixture.

27. **(Original)** The method of Claim 26 including adding other ingredients to said mixture prior to adding said water.

28. **(Cancelled)**

29. **(Currently Amended)** A concrete assembly comprising a concrete structure,

a plurality of metal elements within said concrete structure, an overlay containing a compound capable of sequestering chloride ions disposed within said concrete structure, said compound selected from the group consisting of

$3Me(II)O \cdot R_2O_3 \cdot Me(II)(anion)_2 \cdot nH_2O$ where n = 0 to 24 and

$3Me(II)O \cdot R_2O_3 \cdot Me(II)(anion) \cdot nH_2O$ where n = 0 to 18,

wherein Me(II) is one or more cations selected from the group consisting of Ca, Ba, Sr, Mn and Zn, R_2 is Al_2, Fe_2 or Cr_2, anion is NO_2, NO_3, CO_3, BO_4, or OH, but when R_2 is Al_2 then Me(II) is not Ca; and

said concrete structure and said overlay being disposed in close adjacency to permit ion exchange between pores of said concrete structure and said overlay.

30. **(Original)** The concrete structure of Claim 29 including said concrete structure being a portion of a bridge.

31. **(Original)** The concrete structure of Claim 29 including said concrete structure being a portion of a pier.

32. **(Original)** The concrete structure of Claim 29 including said concrete structure being a portion of a highway.

33. **(Original)** The concrete structure of Claim 29 including said concrete structure being a portion of a parking garage or parking lot.

34. **(Currently Amended)** The concrete structure of Claim 29 ~~including~~ wherein said compound ~~being capable of establishing~~ establishes a corrosion resistant oxide layer on said metal reinforcing elements.

35. **(Currently Amended)** The concrete structure of Claim 29 ~~including~~ wherein said chloride ion ~~sequestering~~ sequestration ~~compound being a low-solubility compound~~ results in a chloride-containing compound having low solubility in said concrete.

36. The concrete structure of Claim 29 including said chloride ion sequestering compound being a compound containing nitrite.

37. **(Currently Amended)** The concrete structure of Claim 29 including said compound being selected from the group consisting of ~~$3CaO \cdot Al_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$; $3CaO \cdot Al_2O_3 \cdot Ca(NO_3)_2 \cdot nH_2O$;~~ $3CaO \cdot Fe_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$ and $3CaO \cdot Fe_2O_3 \cdot Ca(NO_3)_2 \cdot nH_2O$ wherein n = 0 to 24.

38 – 39 (Cancelled)

40. (Currently Amended) A compound capable of sequestering chloride comprising a compound selected from a group consisting of

~~$3CaO \cdot Al_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$~~

~~wherein n = 0 to 24;~~

~~$3CaO \cdot Al_2O_3 \cdot Ca(NO_3)_2 \cdot nH_2O$; and~~ $3CaO \cdot Fe_2O_3 \cdot Ca(NO_2)_2 \cdot nH_2O$ and

$3CaO \cdot Fe_2O_3 \cdot Ca(NO_2) \cdot nH_2O$; wherein n = 0 to 24.

41. (Cancelled)

42. (Original) The method of Claim 1 including employing the following reaction in sequestering said chloride ions

$$3CaO \cdot Fe_2O_3 \cdot Ca(NO_2) \cdot nH_2O + 2Cl^- \Rightarrow 3CaO \cdot Fe_2O_3 \cdot CaCl_2 \cdot nH_2O + 2NO_2^-$$

wherein n = 0 to 24.